

# **RADIO COMMUNICATION WITHIN A COMPUTER SYSTEM**

## **ABSTRACT**

One embodiment of the present invention provides a system that facilitates communicating between integrated circuit devices within a computing system. The system includes integrated circuit devices with an individual radio port coupled to each integrated circuit device. Each radio port includes a transmitting mechanism that is configured to generate radio signals in response to commands from the integrated circuit device. An antenna is coupled to the radio port to transmit the radio signal generated by the transmitting mechanism and to detect a response to the radio signal. Each radio port also includes a receiving mechanism to receive responses from the antenna and pass the responses to the integrated circuit device.